

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101722\
 Data File : VY010967.D
 Acq On : 17 Oct 2022 11:56
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 01:13:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:10:36 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	277597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	456506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	408266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	197257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	28437	11.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.240%#		
35) Dibromofluoromethane	7.710	113	38043	13.707	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	27.420%#		
50) Toluene-d8	10.179	98	90545	9.499	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.000%#		
62) 4-Bromofluorobenzene	12.483	95	62537	16.403	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	32.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	18671	10.140	ug/l	96
3) Chloromethane	2.113	50	27134	10.271	ug/l	95
4) Vinyl Chloride	2.247	62	30151	10.070	ug/l	94
5) Bromomethane	2.643	94	21228	10.251	ug/l	96
6) Chloroethane	2.790	64	20484	10.238	ug/l	97
7) Trichlorofluoromethane	3.119	101	43941	10.026	ug/l	98
8) Diethyl Ether	3.521	74	16126	9.860	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	27245	9.911	ug/l	94
10) Methyl Iodide	4.082	142	31739	9.436	ug/l	90
11) Tert butyl alcohol	4.942	59	19918	57.629	ug/l	98
12) 1,1-Dichloroethene	3.869	96	26362	10.011	ug/l	82
13) Acrolein	3.723	56	21283	51.629	ug/l	97
14) Allyl chloride	4.472	41	41290	9.887	ug/l #	88
15) Acrylonitrile	5.155	53	42286	49.604	ug/l	97
16) Acetone	3.942	43	34041	45.842	ug/l #	89
17) Carbon Disulfide	4.192	76	78668	10.190	ug/l	100
18) Methyl Acetate	4.472	43	23639	9.941	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	70875	9.633	ug/l	92
20) Methylene Chloride	4.710	84	47741	11.294	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	30063	10.112	ug/l	86
22) Diisopropyl ether	6.112	45	88194	9.861	ug/l #	96
23) Vinyl Acetate	6.051	43	254674	47.619	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	54204	10.038	ug/l	99
25) 2-Butanone	6.984	43	54378	48.288	ug/l	95
26) 2,2-Dichloropropane	6.972	77	48448	10.104	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	33983	9.918	ug/l	91
28) Bromochloromethane	7.332	49	11638	6.915	ug/l	93
29) Tetrahydrofuran	7.344	42	34101	49.219	ug/l	89
30) Chloroform	7.502	83	54713	10.051	ug/l	95
31) Cyclohexane	7.783	56	49558	10.128	ug/l #	85
32) 1,1,1-Trichloroethane	7.697	97	47239	9.873	ug/l	96
36) 1,1-Dichloropropene	7.917	75	41460	9.756	ug/l	99
37) Ethyl Acetate	7.069	43	22736	9.663	ug/l #	92
38) Carbon Tetrachloride	7.892	117	43523	9.921	ug/l	98
39) Methylcyclohexane	9.185	83	47639	9.359	ug/l	93
40) Benzene	8.155	78	123460	9.901	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	12536m	9.612	ug/l	
42) 1,2-Dichloroethane	8.234	62	34559	10.003	ug/l	89
43) Isopropyl Acetate	8.270	43	40669	9.674	ug/l #	89
44) Trichloroethene	8.935	130	33295	9.853	ug/l	98
45) 1,2-Dichloropropane	9.215	63	31101	9.831	ug/l	98
46) Dibromomethane	9.301	93	17077	9.678	ug/l	96
47) Bromodichloromethane	9.496	83	41819	9.835	ug/l	98
48) Methyl methacrylate	9.289	41	17495	9.299	ug/l #	79
49) 1,4-Dioxane	9.289	88	4727	186.452	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	111456	47.542	ug/l	89
52) Toluene	10.240	92	75309	9.722	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	42603	9.644	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	48542	9.603	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	25201	9.900	ug/l	99
56) Ethyl methacrylate	10.508	69	30455	9.008	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	42949	9.813	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	53443	35.667	ug/l	97
59) 2-Hexanone	10.831	43	73753	45.798	ug/l	86
60) Dibromochloromethane	10.983	129	30168	9.967	ug/l	100
61) 1,2-Dibromoethane	11.087	107	23846	9.782	ug/l	99
64) Tetrachloroethene	10.715	164	31204	9.818	ug/l	97
65) Chlorobenzene	11.514	112	82339	9.823	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	30658	9.882	ug/l	96
67) Ethyl Benzene	11.593	91	142154	9.586	ug/l	97
68) m/p-Xylenes	11.703	106	110478	19.367	ug/l	95
69) o-Xylene	12.026	106	50924	9.402	ug/l	95
70) Styrene	12.044	104	86198	9.392	ug/l	95
71) Bromoform	12.209	173	18324	9.570	ug/l #	100
73) Isopropylbenzene	12.331	105	137743	9.611	ug/l	98
74) N-amyl acetate	12.142	43	33388	9.182	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	30030	9.985	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	22651m	9.912	ug/l	
77) Bromobenzene	12.605	156	32995	9.850	ug/l	97
78) n-propylbenzene	12.672	91	167614	9.613	ug/l	99
79) 2-Chlorotoluene	12.757	91	94054	9.578	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	115016	9.619	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9492	9.116	ug/l	89
82) 4-Chlorotoluene	12.855	91	99852	9.766	ug/l	99
83) tert-Butylbenzene	13.074	119	97349	9.415	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	114314	9.695	ug/l	99
85) sec-Butylbenzene	13.251	105	149519	9.623	ug/l	99
86) p-Isopropyltoluene	13.367	119	121783	9.448	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	64939	9.713	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	65179	9.805	ug/l	98
89) n-Butylbenzene	13.696	91	114306	9.490	ug/l	99
90) Hexachloroethane	13.958	117	25284	9.939	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	58349	9.755	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4906	9.866	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	33181	9.282	ug/l	99
94) Hexachlorobutadiene	15.111	225	20902	9.933	ug/l	99
95) Naphthalene	15.239	128	64791	8.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	29886	9.583	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

